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IVAN MAURICE ROITT - CURRICULUM VITAE

Date of Birth: 30.9.1927

British Nationality

Born in London

Married: 3 children

Education:

1940-45 King Edward's School, Birmingham.  
 1945-49 Domus Exhibitioner at Balliol College, Oxford - reading Chemistry.  
 1950-52 Postgraduate Research Student - Oxford.  
 1952-53 Student of Physiology - Oxford.

Degrees:

1949 B.A. (Hons.II) - Chemistry  
 1953 D.Phil. - Chemistry  
 1953 B.A. (Hons.) - Physiology  
 1966 M.R.C.Path.  
 1968 D.Sc. (Oxford)  
 1974 F.R.C.Path.  
 1985 Hon. MRCP(Lond)

Appointments:

1949-50 Biochemical Research Assistant - Leeds University.  
 1953-65 Research Fellow, Middlesex Hospital Medical School.  
 1965 Reader in Immunopathology  
 1968 Professor and Head of Department of Immunology,  
 Middlesex Hospital Medical School  
 Head of Medical Research Council Immunopathology Research Group.  
 Director of W.H.O. Reference Laboratory for serology of  
 Autoimmune Disorders.  
 1973 Additional responsibility as Head of Department of  
 Rheumatology Research.  
 1992 Emeritus Professor.

Past Scientific Activities:

Meetings Secretary & Chairman - British Society for Immunology.  
 Organising Committee of 2nd International Congress of Immunology.  
 Chairman, Education Committee - International Union of Immunological Societies.  
 Royal College of Pathologists - Council Member.  
 Arthritis & Rheumatism Council - Scientific Research Committee.  
 President - Immunology Section, Royal Society of Medicine.  
 U.G.C. - Biology Sub-Committee  
 D.H.S.S. - Laboratory Advisory Development Group (Pathology Services)  
 W.H.O. - Appointed expert in Immunology and  
 Chairman of Steering Committee on Immunological Control of Human  
 Reproduction.  
 Editor of several journals.

Honours:

Van Meter Prize American Goitre Association 1957  
 Gairdner Award (Toronto) 1964  
 Awarded Medal for discovery of thyroid  
 autoimmunity from Pisa University, Italy 1986  
 Elected F.R.S. (Fellow of 'The Royal Society',  
 London) 1983  
 Hon. Fellowship, Royal Society of Medicine,  
 London 1993

1. "The oxidation of some higher aromatic hydrocarbons with perbenzoic acid". Roitt I.M. & Waters W.A. J. Chem. Soc. (1949) p.3060.
2. "The action of benzoyl peroxide on polycyclic aromatic hydrocarbons". Roitt I.M. & Waters W.A. J. Chem. Soc. (1952) p.2695.
3. "The retardation of benzaldehyde autoxidation. Part VI. The actions of a number of polycyclic aromatic hydrocarbons of carcinogenic interest". Dunn D.R., Waters W.A. & Roitt I.M. J. Chem. Soc. (1954) p.580.
4. "The inhibition of carbohydrate metabolism in ascites tumour cells by ethyleneimines". Roitt I.M. Biochem. J. (1956) 63, 300.
5. "Autoantibodies in Hashimoto's disease (lymphadenoid goitre)". Roitt I.M., Doniach D., Campbell P.N. & Vaughan Hudson R. Lancet (1956) ii, 820.
6. "Autoimmunization in thyroid diseases". Roitt I.M. & Doniach D. Proc. Roy. Soc. Med. (1957) 50, 958.
7. "Diagnostic aspects of lymphadenoid goitre". Doniach D., Vaughan Hudson R. & Roitt I.M. Proc. Roy. Soc. Med. (1957) 50, 946.
8. "Autoimmunity in Hashimoto's disease and its implications". Doniach D. & Roitt I.M. J. Clin. Endocrinol. (1957) 17, 1293.
9. "The nature of the thyroid autoantibodies present in patients with Hashimoto's thyroiditis (lymphadenoid goitre)". Roitt I.M., Campbell P.N. & Doniach D. Biochem. J. (1958) 69, 248.
10. "Autoantibodies in thyroid carcinoma". Doniach D., Roitt I.M. & Vaughan Hudson R. Lancet (1958) ii, 265.
11. "Human autoimmune thyroiditis: serological studies". Roitt I.M. & Doniach D. Lancet (1958) ii, 1027.
12. "The incidence, nature, and significance of autoantibodies in thyroid diseases". Roitt I.M. & Doniach D. Henry Ford Symposium on Hypersensitivity (1959) p.325.
13. "Autoimmunity and thyroid disorders". Doniach D., Roitt I.M. & Vaughan Hudson R. Postgrad. Med. J. (1959) 35, 324.
14. "Cytotoxic effects of Hashimoto serum on human thyroid cells in tissue culture". Pulvertaft R.J.V., Doniach D., Roitt I.M. & Vaughan Hudson R. Lancet (1959) ii, 214.
15. "Cytoplasmic localization of 'complement-fixing' auto-antigen in human thyroid epithelium". Holborow E.J., Brown P.C., Roitt I.M. & Doniach D. Brit. J. Exp. Path. (1959) 40, 583.
16. "A comparison of the serum proteins of normal rats with those of rats bearing liver tumours". Campbell P.N., Kernot B.A. & Roitt I.M. Biochem. J. (1959) 71, 155.
17. "Human autoimmune thyroiditis: clinical studies". Doniach D., Vaughan Hudson R. & Roitt I.M. Brit. med. J. (1960) i, 365.
18. "Thyroid autoimmunity". Roitt I.M. & Doniach D. Brit. med. Bull. (1960) 16, 152.
19. "Studies on an intracellular thyroid autoantigen". Roitt I.M., Doniach D. & Couchman K.G. Symposium on "Mechanism of antibody formation", Prague (1960) p.70.

20. "Biochemical studies of thyroid autoantigens". Roitt I.M., Doniach D., Wilson E.G. & Couchman K.G. Bull. Soc. Chim. Biol. (1960) 42, 1165.
21. "Experimental autoimmune thyroiditis in the rat". Jones H.E.H. & Roitt I.M. Brit. J. exp. Path. (1961) 42, 546.
22. "Fluorescent antibody studies in human thyroiditis: autoantibodies to an antigen of the thyroid colloid distinct from thyroglobulin". Balfour B.M., Doniach D., Roitt I.M. & Couchman K.G. Brit. J. exp. Path. (1961) 42, 307.
23. "A stable sheep cell preparation for detecting thyroglobulin autoantibodies and its clinical applications". Fulthorpe A.J., Roitt I.M., Doniach D. & Couchman K.G. J. Clin. Path. (1961) 14, 654.
24. "Present concepts of thyroid autoimmunity". Doniach D. & Roitt I.M. In 'Modern Trends in Endocrinology' (1961) p.278 (Butterworths).
25. "The cytotoxic factor in Hashimoto's disease and its incidence in other thyroid diseases". Pulvertaft R.J.V., Doniach D. & Roitt I.M. Brit. J. Exp. Path. (1961) 42, 496.
26. "Serological overlap between lupus erythematosus, rheumatoid arthritis and thyroid autoimmune disease". Hijmans W., Doniach D., Roitt I.M. & Holborow E.J. Brit. med. J. (1961) ii, 909.
27. "The thyroid cytotoxic autoantibody". Forbes I.J., Roitt I.M., Doniach D. & Solomon I.L. J. clin. Invest. (1962) 41, 996.
28. "Autoantibodies in disease". Doniach D. & Roitt I.M. Ann. Rev. Med. (1962) 13, 213.
29. "Mechanisms of tissue damage in human and experimental autoimmune thyroiditis". Roitt I.M., Jones H.E.H. & Doniach D. In '2nd International Symposium on Immunopathology', Michigan (1962) p.174.
30. "Autoimmune phenomena in pernicious anaemia. I. Gastric antibodies". Taylor K.B., Roitt I.M., Doniach D., Couchman K.G. & Shapland C.G. Brit. med. J. (1962) ii, 1347.
31. "Sedimentation characteristics of human thyroid autoantibodies". Torrigiani G. & Roitt I.M. Immunol. (1963) 6, 73.
32. "Effects of steroid sex hormones on immunological phenomena". Kappas A., Jones H.E.H. & Roitt I.M. Nature (1963) 198, 902.
33. "Autoimmune phenomena in pernicious anaemia. II. Serological overlap with thyroiditis, thyrotoxicosis and systemic lupus erythematosus". Doniach D., Roitt I.M. & Taylor K.B. Brit. med. J. (1963) i, 1347.
34. "Lymphoid thyroiditis as a model for autoimmune disease". Roitt I.M. & Doniach D. Acta Allergologica (1963) 18, 474.
35. "The cytoplasmic autoantigen of the human thyroid. I. Immunological and biochemical characteristics". Roitt I.M., Ling N.R., Doniach D. & Couchman K.G. Immunol. (1964) 7, 375.
36. "An evaluation of gastric and thyroid autoimmunity in relation to haematologic disorders". Doniach D. & Roitt I.M. Seminars in Haematology (1964) 1, no.3.
37. "The antibody response to tetanus toxoid in patients with autoimmune thyroiditis". Barr M., Buchanan W.W., Doniach D. & Roitt I.M. Scot. med. J. (1964) 9, 295.

38. "Intrinsic factor autoantibodies". Roitt I.M., Doniach D. & Shapland C.G.  
Lancet (1964) ii, 469.
39. "Autoimmunity in pernicious anaemia and atrophic gastritis". Roitt I.M., Doniach D. & Shapland C.G. Ann. N.Y. Acad. Sci. (1965) 124, 644.
40. "Interaction of lymphocytes from immunized hosts with thyroid and other cells in culture". Ling N.R., Acton A.B., Roitt I.M. & Doniach D. Brit. J. Exp. Path. (1965) 46, 348.
41. "Autoimmunity in pernicious anemia and thyroiditis: a family study". Doniach D., Roitt I.M. & Taylor K.B. Ann. N.Y. Acad. Sci. (1965) 124, 605.
42. "Characterization of the human gastric parietal cell autoantigen". Baur S., Roitt I.M. & Doniach D. Immunol. (1965) 8, 62.
43. "Autoantibodies in simple atrophic gastritis". Coghill N.F., Doniach D., Roitt I.M., Mollin D.L. & Williams A. Wynn. Gut (1965) 6, 48.
44. "Autoimmunity and disease". Roitt I.M. & Doniach D. Scientific Basis of Med. (1965) p.110.
45. "Serological tests in diagnosis of primary biliary cirrhosis". Walker J.G., Doniach D., Roitt I.M. & Sherlock S. Lancet (1965) i, 827.
46. "Autoimmune thyroiditis in children and adolescents. II. Immunological correlations and parent study". Doniach D., Nilsson L.R. & Roitt I.M. Acta Paediat. (1965) 54, 260.
47. "The enhancement of 19S antibody production by particulate antigen". Torrigiani G. & Roitt I.M. J. Exp. Med. (1965) 122, 181.
48. "The activity of different fractions of homologous thyroid extract in the production of allergic thyroiditis in the rat". Roitt I.M., Jones H.E.H. & Mills G.L. Immunol. (1965) 9, 281.
49. "Histochemical localization of pH 3.5 protease in the human thyroid gland". Roitt I.M., Ballard K.J., Holt S.J., Doniach D., Torrigiani G. & Shapland C.G. Proc. 5th Int. Thyroid Conf., Rome (1965) p.29.
50. "Absorption of thyroid-stimulating globulin from thyrotoxic sera by organ homogenates". El Kabir D.J., Benhamou-Glynn N., Doniach D. & Roitt I.M. Nature (1966) 210, 319.
51. "Tissue antibodies in primary biliary cirrhosis, active chronic hepatitis, cryptogenic cirrhosis and other liver diseases and their clinical implications". Doniach D., Roitt I.M., Walker J.G. & Sherlock S. Clin. exp. Immunol. (1966) 1, 237.
52. "Family studies on gastric autoimmunity". Doniach D. & Roitt I.M. Proc. Roy. Soc. Med. (1966) 59, 691.
53. "Delayed hypersensitivity in autoimmune disease". Roitt I.M. & Doniach D. Brit. med. Bull. (1967) 23, 66.
54. "Thyroglobulin in the lymph draining from the thyroid gland and in the peripheral blood of rats". Daniel P.M., Pratt O.E., Roitt I.M. & Torrigiani G. Quart. J. Exp. Physiol. (1967) 52, 184.

55. "The release of thyroglobulin from the thyroid gland into thyroid lymphatics; the identification of thyroglobulin in the thyroid lymph and in the blood of monkeys by physical and immunological methods and its estimation of radioimmunoassay". Daniel P.M., Pratt O.E., Roitt I.M. & Torrigiani G. Immunol. (1967) 12, 489.
56. "Autoimmune phenomena in relation to the gastric mucosa in human disease". Roitt I.M., Doniach D. & Shapland C.G. Immunopathology IVth Int. Symp. (1965) p.314
57. "Antiglobulin factors in sera from patients with rheumatoid arthritis and normal subjects". Torrigiani G. & Roitt I.M. Ann. Rheum. Dis. (1967) 26, 334.
58. "Extrathyroidal thyroglobulin". Roitt I.M. & Torrigiani G. J. Clin. Path. (1967) 20, 391.
59. "Thyrotoxicosis and Hashimoto goitre in a pair of monozygotic twins with serum LATS". Jayson M.I.V., Doniach D., Benhamou-Glynn N., Roitt I.M. & El Kabir D.J. Lancet (1967) ii, 15.
60. "Mitochondrial antibodies in primary biliary cirrhosis. I. Localization of the antigen to mitochondrial membranes". Berg P.A., Doniach D. & Roitt I.M. J.Exp.Med.(1967)126  
277
61. "Identification and estimation of undegraded thyroglobulin in human serum". Roitt I.M. & Torrigiani G. Endocrinology (1967) 81, 421.
62. "A reassessment of studies on the aggregation of thyroid autoimmunity in families of thyroiditis patients". Roitt I.M. & Doniach D. Clin. exp. Immunol. (1967) 2, 727.
63. "Effect of anti-lymphocyte serum on responses of human peripheral blood lymphocytes to specific and non-specific stimulants in vitro. Greaves M.F., Roitt I.M., Zamir R. & Carnaghan R.B.A. Lancet (1967) ii, 1317.
64. "Thyroid antibodies and sex-chromosome anomalies". Doniach D., Roitt I.M. & Polani P.E. Proc. Roy. Soc. Med. (1968) 61, 278.
65. "The effect of PHA and other lymphocyte mitogens on immunoglobulin synthesis by human peripheral blood lymphocytes in vitro". Greaves M.F. & Roitt I.M. Clin. exp. Immunol. (1968) 3, 393.
66. "Effect of bursectomy and thymectomy on the responses of chicken peripheral blood lymphocytes to phytohaemagglutinin". Greaves M.F., Roitt I.M. & Rose M.E. Nature (1968) 220, 293.
67. "Quantitative distribution of human thyroglobulin autoantibodies in different immunoglobulin classes". Torrigiani G., Roitt I.M. & Doniach D. Clin. exp. Immunol. (1968) 3, 621.
68. "Immunochemical studies on the thyroglobulin autoantibody system in human thyroiditis". Roitt I.M., Torrigiani G. & Doniach D. Immunol. (1968) 15, 681.
69. "Immunosuppressive potency and in vitro activity of antilymphocyte globulin". Greaves M.F., Tursi A., Playfair J.H.L., Torrigiani G., Zamir R. & Roitt I.M. Lancet (1969) i, 68.
70. "Quantitative estimation of antibodies in different immunoglobulin classes". Torrigiani G. & Roitt I.M. J. Immunol. (1969) 102, 492.
71. "Gastric autoimmunity". Roitt I.M. & Doniach D. Textbook of Immunopathology (1969) p.534.

72. "Autoimmune thyroid disease". Doniach D. & Roitt I.M. Textbook of Immunopathology (1969) p.516.
73. "Serum thyroglobulin levels in healthy subjects and in patients with thyroid disease". Torrigiani G., Doniach D. & Roitt I.M. J. Clin. Endocrinol. & Metab. (1969) 29, 305.
74. "Studies on the antigen reacting with the thyroid-stimulating immunoglobulin (LATS) in thyrotoxicosis". Benhamou-Glynn N., El Kabir D.J., Roitt I.M. & Doniach D. Immunol. (1969) 16, 187.
75. "Mitochondrial antibodies in primary biliary cirrhosis. II. The complement fixing antigen as a component of mitochondrial inner membranes". Berg P.A., Muscatello U., Horne R.W., Roitt I.M. & Doniach D. Br. J. exp. Path. (1969) 50, 200.
76. "Mitochondrial antibodies in primary biliary cirrhosis. III. Characterization of the inner-membrane complement fixing antigen". Berg P.A., Roitt I.M., Doniach D. & Horne R.W. Clin. exp. Immunol. (1969) 4, 511.
77. "IgE in lymphoid cells from pollen-stimulated cultures". Brostoff J., Greaves M.F. & Roitt I.M. Lancet (1969) i, 803.
78. "Blocking of the lymphocyte receptor site for cell mediated hypersensitivity and transplantation reactions by anti-light chain sera". Greaves M.F., Torrigiani G. & Roitt I.M. Nature (1969) 222, 885.
79. "Application of a sensitive radial immunodiffusion method for the detection of thyroglobulin autoprecipitins". Feinberg J.G., Hill C.W., Doniach D. & Roitt I.M. Int. Arch. All. (1969) 35, 335.
80. "Transformation of rabbit lymphocytes by anti-allotype serum: ultrastructure of transformed cells and suppression of responding cells by foetal exposure to anti-allotype serum". Marcuson E.C. & Roitt I.M. Immunol. (1969) 16, 791.
81. "Raised IgG antiglobulin factors in Still's disease". Torrigiani G., Ansell B.M., Chown E.E.A. & Roitt I.M. Ann. Rheum. Dis. (1969) 28, 424.
82. "Mitochondrial antibodies in primary biliary cirrhosis. IV. Significance of membrane structure for the complement-fixing antigen". Berg P.A., Roitt I.M., Doniach D. & Cooper H.M. Immunol. (1969) 17, 281.
83. "Can LATS be detected by immunofluorescence?" Beall G.N., Solomon D.H., Doniach D. & Roitt I.M. J. Clin. Endocrinol. & Metab. (1969) 29, 1114.
84. "Inhibition of the long-acting thyroid stimulator by soluble thyroid fractions". Beall G.N., Doniach, D., Roitt I.M. & El Kabir D.J. J. Lab. & Clin. Med. (1969) 73, 988.
85. "The cellular basis of immunological responses". Roitt I.M., Greaves M.F., Torrigiani G., Brostoff J. & Playfair J.H.L. Lancet (1969) ii, 367.
86. "Response to PHA of lymphocytes from mice treated with anti-lymphocyte globulin". Tursi A., Greaves M.F., Playfair J.H.L. & Roitt I.M. Immunol. (1969) 17, 801.
87. "Transfer of autoantibody formation by NZB bone marrow cells". Allman V., Ghaffar A., Playfair J.H.L. & Roitt I.M. Transplantation (1969) 8, 899.
88. "Cell-mediated (delayed) hypersensitivity in patients with summer hay-fever". Brostoff J. & Roitt I.M. Lancet (1969) ii, 1269.

89. "Elevated IgG antiglobulins in patients with seronegative rheumatoid arthritis".  
Torrighiani G., Roitt I.M., Lloyd K.N. & Corbett M. *Lancet* (1970) i, 14.
90. "Autoallergic hepatitis". Doniach D., Walker J.G., Roitt I.M. & Berg P.A.  
*New Eng. J. Med.* (1970) 282, 86.
91. "Studies of the congenitally goitrous sheep". Falconer I.R., Roitt I.M.,  
Seamark R.F. & Torrighiani G. *Biochem. J.* (1970) 117, 417.
92. "Response to autologous immunoglobulin G in patients with rheumatoid arthritis".  
Chamberlain M.A., Shapland C.G. & Roitt I.M. *Ann. Rheum. Dis.* (1970) 29, 173.
93. "Possible role of Mycoplasma fermentans in pathogenesis of rheumatoid arthritis".  
Williams M.H., Brostoff J. & Roitt I.M. *Lancet* (1970) ii, 277.
94. "Immunoglobulin allotypic determinants on rabbit lymphocytes". Jones G.,  
Marcuson E.C. & Roitt I.M. *Nature* (1970) 227, 1051.
95. "Complement fixation by a two-component antibody system: immunoglobulin G and  
immunoglobulin M anti-globulin (rheumatoid factor)". Schmid F.R., Roitt I.M. &  
Rocha M.J. *J. Exp. Med.* (1970) 132, 673.
96. "Immunoglobulin determinants on mouse lymphocytes". Jones G., Torrighiani G. &  
Roitt I.M. *J. Immunol.* (1971) 106, 1425.
97. "Inhibition of human mixed lymphocyte reaction by antibodies to immunoglobulin  
light chain determinants". Greaves M.F., Torrighiani G. & Roitt I.M.  
*Clin. exp. Immunol.* (1971) 9, 313.
98. "Peroxidase conjugates for demonstration of tissue antibodies: evaluation of the  
technique". Petts V. & Roitt I.M. *Clin. exp. Immunol.* (1971) 9, 407.
99. "Immunological phenomena in rheumatoid arthritis". Roitt I.M. In 'Progress in  
Immunology' (1971) p.689 (Academic Press).
100. "IgG antiglobulin levels in patients with psoriatic arthropathy, ankylosing  
spondylitis, and gout". Howell F.A., Chamberlain M.A., Perry R.A., Torrighiani G.  
& Roitt I.M. *Ann. Rheum. Dis.* (1972) 31, 129.
101. "Immunoglobulin determinants on lymphoid cells in culture". Jones G. & Roitt I.M.  
*Cell. Immunol.* (1972) 3, 478.
102. "The binding of human IgG subclasses to human monocytes". Hay F.C., Torrighiani G.  
& Roitt I.M. *Eur. J. Immunol.* (1972) 2, 257.
103. "The role of immunology in clinical medicine". Roitt I.M. *Proc. Roy. Soc. Med.*  
(1972) 65, 1093.
104. "Immunofluorescent detection of surface antigens specific to T and B lymphocytes  
in the chicken". Hudson L. & Roitt I.M. *Eur. J. Immunol.* (1973) 3, 63.
105. "Evidence for transformation of human B lymphocytes by PHA". Phillips B. &  
Roitt I.M. *Nature New Biol.* (1973) 241, 254.
106. "Leucocyte migration inhibition in thyroid disease". Wartenberg J., Doniach D.,  
Brostoff J. & Roitt I.M. *Int. Arch. Allergy* (1973) 44, 396.
107. "Antibody-dependent cell-mediated cytotoxicity due to a 'null' lymphoid cell".  
Greenberg A., Hudson L., Shen L. & Roitt I.M. *Nature New Biol.* (1973) 242, 111.

8. "Leucocyte migration inhibition with mitochondria in human autoimmune thyroid disorders". Wartenberg J., Doniach D., Brostoff J. & Roitt I.M. Clin. exp. Immunol. (1973) 14, 203.
109. "The enrichment of T-cell functions in a lymphocyte population by anti-immunoglobulin columns". Hudson L., Greenberg A., Roitt I.M. & Bach J.F. Scand. J. Immunol. (1973) 2, 425.
110. "Leucocyte migration inhibition with aggregated gamma globulin in patients with rheumatoid arthritis". Brostoff J., Howell A. & Roitt I.M. Clin. exp. Immunol. (1973) 15, 1.
111. "Leucocyte migration inhibition to Mycoplasma fermentans in patients with rheumatoid arthritis". Brostoff J., Freedman A. & Roitt I.M. Int. Arch. Allergy (1973) 45, 690.
112. "Mitochondrial antibodies in primary biliary cirrhosis. V. Ultrastructural localization of the antigen to the inner mitochondrial membrane using a direct peroxidase conjugate". Bianchi F.B., Penfold P.L. & Roitt I.M. Br. J. exp. Path. (1973) 54, 652.
113. "Characterization of the antibody-dependent cytotoxic cell. A non-phagocytic monocyte?". Greenberg A., Shen L. & Roitt I.M. Clin. exp. Immunol. (1973) 15, 251.
114. "Effect of disodium cromoglycate on various types of anaphylactic reaction in the guinea pig". Taylor W.A. & Roitt I.M. Int. Arch. Allergy (1973) 45, 795.
115. "The anti-anaphylactic actions of Disodium Cromoglycate, Theophylline, Isoprenaline and Prostaglandins". Taylor W.A., Francis D.H., Sheldon D. & Roitt I.M. Int. Arch. Allergy (1974) 46, 104.
116. "Identification of a population of mouse leukocytes using wheat germ agglutinin". Robinson P. & Roitt I.M. Nature (1974) 250, 517.
117. "Inhibition of lymphocyte proliferative responses by anti-HL-A alloantisera". Brochier J., Roitt I.M. & Festenstein H. Eur. J. Immunol. (1974) 4, 709.
118. "Dissociation of lymphocyte activating determinants from recognition sites in mouse MLR". Abbassi K., Festenstein H., Verbi W. & Roitt I.M. Nature (1974) 251, 227.
119. "C3 receptor. A marker of a thymus-dependent B-cell subpopulation". Arnaiz-Villena A. & Playfair J.H.L. Clin. exp. Immunol. (1975) 20, 375.
120. "Complement-induced mixed aggregation of T and B lymphocytes and myeloid cells and the effect of adjuvant". Arnaiz-Villena A. & Roitt I.M. Clin. exp. Immunol. (1975) 21, 115.
121. "The bursa dependence of chicken thymus-derived lymphocyte surface immunoglobulin". Hudson L., Thantrey N. & Roitt I.M. Immunology (1975) 28, 151.
122. "Routine assay for detection of IgG and IgM antiglobulins in seronegative and seropositive rheumatoid arthritis". Hay F.C., Nineham L.J. & Roitt I.M. Brit. Med J. (1975) 3, 203.
123. "Reaction of antiglobulin factors present in rheumatoid conditions with different  $\gamma$ -globulin substrates". Torrigiani G. & Roitt I.M. Rheumatology (1975) 6, 151.

124. "Characteristics of the effector cells mediating cytotoxicity against antibody-coated target cells. II. The mouse nonadherent K cell. Greenberg A.H., Shen L., Walker L., Arnaiz-Villena A. & Roitt I.M. Eur. J. Immunol. (1975) 5, 474.
125. "Direct autoradiographic visualisation in SDS-gels of lectin-binding components of the human erythrocyte membrane". Robinson P.J., Bull F.G., Anderton B.H. & Roitt I.M. Febs Letters (1975) 58, 330.
126. "Evidence for two cell populations involved in the rejection of a xenograft in mice". Newlands E.S. & Roitt I.M. Transplantation (1975) 20, 13.
127. "Ultrastructural studies of mouse leucocytes showing surface binding of peroxidase-conjugated lectins". Robinson P.D., Penfold P.L. & Roitt I.M. Clin. exp. Immunol. (1976) 23, 98.
128. "Characteristics of the effector cells mediating cytotoxicity against antibody-coated target cells. III. Ultrastructural studies". Penfold P.L., Greenberg A.H. & Roitt I.M. Clin. exp. Immunol. (1976) 23, 91.
129. "Binding of human immunoglobulins to pituitary ACTH cells". Pouplard A., Bottazzo G.F., Doniach D. & Roitt I.M. Nature (1976) 261, 142.
130. "'Hidden' IgG antiglobulins in normal human serum". Hay F.C., Nineham L.J., Torrigiani G. & Roitt I.M. Clin. exp. Immunol. (1976) 25, 185.
131. "Routine assay for the detection of immune complexes of known immunoglobulin class using solid phase Clq". Hay F.C., Nineham L.J. & Roitt I.M. Clin. exp. Immunol. (1976) 24, 396.
132. "Surface membrane changes in mitogen-transformed lymphocytes". Robinson P.J., Anderton B.H. & Roitt I.M. Exp. Cell Res. (1976) 102, 431.
133. "A double antibody solid phase assay for DNA autoantibodies for clinical use". Lange A., Roitt I.M. & Doniach D. Clin. exp. Immunol. (1976) 25, 191.
134. "Laboratory diagnosis of rheumatoid arthritis: a solid phase radioassay for IgG and IgM antiglobulins". Nineham L.J., Hay F.C. & Roitt I.M. J. Clin. Path. (1976) 29, 1121.
135. "The binding constants of IgM rheumatoid factors and their univalent fragments for native and aggregated human IgG". Dissanayake S., Hay F.C. & Roitt I.M. Immunology (1977) 32, 309.
136. "Allograft cytotoxicity. Two populations of effector cell detectable by cytolytic and cytostatic assays in vitro". Jones B., Jones T.C. & Roitt I.M. Immunology (1977) 32, 591.
137. "Separation of membrane proteins in an undenatured form by isoelectric focusing". Banga J.P., Anderton B.H. & Roitt I.M. Analytical Biochemistry (1978) 89, 348.
138. "Selective blocking of T cell-mediated in vitro cytotoxicity to a xenogeneic tumour by anti-immunoglobulin sera". Newlands E.S., Hay F.C. & Roitt I.M. Clin. exp. Immunol. (1978) 31, 189.
139. "Genetics of autoimmune diseases: prospects and perspectives". Roitt I.M. In 'Genetic Control of Autoimmune Disease' (1978) eds. Rose, Bigazzi, Warner (Elsevier North Holland).
140. "Future prospects for research". Roitt I.M. Menarini Symposium on Organ-Specific Autoimmune Diseases, Cremona, Italy (1978) 1, 327.

141. "Complex arming in antibody-dependent cell-mediated cytotoxicity; ultrastructural studies of the interaction between human effector cells armed with aggregated anti-DNP antibody and DNP-coated erythrocytes". Penfold P.L., Walker L.C. & Roitt I.M. Clin. exp. Immunol (1978) 31, 197.
142. "Evidence for antibody-dependent cell-mediated cytotoxicity by T-cells bearing receptors for IgG". Shen L., Lydyard P.M., Penfold P. & Roitt I.M. Clin. exp. Immunol. (1979) 35, 276.
143. "Standardization of radioallergosorbent test (RAST) and allergen extracts in terms of the WHO standards for IgE". Huggins K.G., Roitt I.M., Brostoff J. & Taylor W.A. Int. Arch. Allergy (1979) 58, 241.
144. "Analysis of the components of immune complexes". Male D. & Roitt I.M. Mol. Immunol. (1979) 16, 197.
145. "Characteristics of complexes for arming and inhibiting effector cells for antibody-dependent cell-mediated cytotoxicity". Walker L., Hay F.C. & Roitt I.M. Clin. exp. Immunol. (1979) 36, 397.
146. "Intra-articular and circulating immune complexes and antiglobulins (IgG and IgM) in rheumatoid arthritis: correlation with clinical features". Hay F.C., Nineham L.J., Perumal R. & Roitt I.M. Ann. Rheum. Dis. (1979) 38, 1.
147. "Immune complexes in rheumatoid arthritis: relationship to disease and treatment". Hay F.C., Nineham L.J. & Roitt I.M. Behring Inst. Mitt. (1979) 64, 54.
148. "Immune complexes in rheumatoid arthritis: correlations with clinical features and effects of gold". Nineham L.J., Hay F.C., Male D., Roitt I.M., Young A. & Perumal R. Protides of the Biological Fluids (1979) XXVI, 179.
149. "Con A induced suppressor activity of lymphocytes distinguished by the presence or absence of the Fc receptor". Cooke A., Heppell L., Hutchings P. & Roitt I.M. Cell. Immunol. (1979) 47, 90.
150. "Human autoimmune thyroid disease". Roitt I.M., Doniach D. & Bottazzo G.F. Proc. 6th International Convocation on Immunology, Buffalo (1979) p.107 (Karger, Basel).
151. "Some general aspects of organ-specific autoimmunity". Roitt I.M., de Carvalho L.C.P. Nye L. & Wick G. In 'Symposium on Autoimmune Aspects of Endocrine Disorders' (1980) p. 3, eds. Pinchera et al. (Academic Press).
152. "Restrictions in the response to autologous thyroglobulin in the human". Nye L., de Carvalho L.C.P. & Roitt I.M. Clin. exp. Immunol. (1980) 41, 252.
153. "Analysis of immune complexes in synovial effusions of patients with rheumatoid arthritis". Male D., Roitt I.M. & Hay F.C. Clin. exp. Immunol. (1980) 39, 297.
154. "Isoelectric focusing of human antibodies directed against a high molecular weight antigen". Nye L. & Roitt I.M. J. Immunol. Methods (1980) 35, 97.
155. "A three-layer immunoradiometric assay for antibodies in different immunoglobulin classes and its application to the detection of chicken thyroglobulin autoantibodies and of antibodies to sheep erythrocytes". P. de Carvalho L.C., Roitt I.M. & Wick G. J. Immunol. Methods (1980) 39, 15.
156. "Chemotactic factor-induced membrane potential changes in rabbit neutrophils monitored by the fluorescent dye 3,3'-dipropylthiadicarbocyanine iodide". Tatham P.E.R., Delves P.D., Shen L. & Roitt I.M. Biochemica et Biophysica Acta. (1980) 602, 285.
157. "Essential Immunology" (A textbook) Roitt I.M., Blackwell Scientific Publications, Oxford. First published 1971; now in its 5th edition.

158. "Idiotypic networks and their possible exploitation for manipulation of the immune response". Roitt I.M., Cooke A., Male D.K., Hay F.C., Guarnotta G., Lydyard P.M., P.de Carvalho L.C. & Thanavala Y. *Lancet* (1981) i, 1041.
159. "Molecular analysis of complement-fixing rheumatoid synovial fluid immune complexes". Male D.K. & Roitt I.M. *Clin. exp. Immunol.* (1981) 46, 521.
160. "Plasma exchange in systemic lupus erythematosus". Parry H.F., Moran C.J., Snaith M.L., Richards J.D.M., Goldstone A.H., Nineham L.J., Hay F.C., Morrow W.J.W. & Roitt I.M. *Ann. Rheum. Dis.* (1981) 40, 224.
161. "Some general features of autoimmunity". Roitt I.M., de Carvalho L. & Wick G. *Arch. Immunol. et Therapiae Experimentalis* (1981) 980, (29), 297.
162. "The use of horseradish peroxidase-lectin conjugates to monitor the purity of plasma-membrane preparations obtained from isolated cells". Banga J.P., Penfold P. & Roitt I.M. *Biochem. J.* (1981) 198, 421.
163. "Synergy between IgG and monoclonal IgM antibodies in antibody-dependent cell cytotoxicity". Shen L., Lydyard P.M., Roitt I.M. & Fanger M. *J. Immunol.* (1981) 127, 73.
164. "An investigation of the clonality of human autoimmune thyroglobulin antibodies and their light chains". Nye L., de Carvalho L.P. & Roitt I.M. *Clin. exp. Immunol.* (1981) 46, 161.
165. "Analysis of suppressor cells in chickens of the obese strain (OS) with spontaneous autoimmune thyroiditis". Wick G., Boyd R., de Carvalho L. & Roitt I.M. In: *Cellular and Molecular Mechanisms of Immunologic Tolerance*, eds. T. Hraha & M. Hasek, Marcel Dekker (1981) p.501.
166. "Requirement of T cells for the development of spontaneous autoimmune thyroiditis in obese strain (OS) chickens". de Carvalho L.C.P., Wick G. & Roitt I.M. *J. Immunol.* (1981) 126, 750.
167. "The role of self-antigen in the development of autoimmunity in Obese strain (OS) chickens with spontaneous autoallergic thyroiditis". de Carvalho L.C.P., Templeman J., Wick G. & Roitt I.M. *J. Exp. Med.* (1982) 155, 1255.
168. "The nature of the autoantibody response to thyroglobulin in murine strains with high or low susceptibility to the experimental induction of autoimmune thyroiditis". de Carvalho L.C.P. & Roitt I.M. *Clin. exp. Immunol.* (1982) 48, 519.
169. "Predisposition to organ-specific autoimmunity in obese strain (OS) chickens: reactivity to thyroid, gastric, adrenal and pancreatic cytoplasmic antigens". Khoury E.L., Bottazzo G.F., Wick G. & Roitt I.M. *Clin.exp. Immunol.* (1982) 49, 273.
170. "Rheumatoid Arthritis". Roitt I.M., Hay F.C., Nineham L.J. & Male D.K. In: *Clinical Aspects of Immunology*, 4th ed. Eds. P.J. Lachmann & D.K. Peters, Blackwell Scientific Publications (1982) vol. 2, p.1161-1195.

171. "Apparent failure of thymic epithelium transplants to alter the course of autoimmune disease in NZB/W mice". Morrow W.J.W., Nayak R.C., Cooke A. & Roitt I.M. *Thymus* (1982) 4, 315.
172. "The immunological basis of autoimmune disease". Roitt I.M. & de Carvalho L.C.P. In: *Receptors, Antibodies & Disease*, Pitman, London (Ciba Foundation Symposium 90) (1982) p.22
173. "Antibodies to EB virus and cytomegalovirus induced antigens in early rheumatoid disease". Male D., Young A., Pilkington C., Sutherland S. & Roitt I.M. *Clin. exp. Immunol.* (1982) 50, 341.
174. "Autoimmune phenomena in rheumatoid arthritis". Roitt I.M., Male D.K., Young A., Jones M.G., Nineham L.J., Corbett M. & Hay F.C. In: *Advances in Inflammation Research* (1982), vol.3, eds. Ziff M., Velo G.P. & Gorini S. (Raven Press).
175. "Immunoregulation in patients with rheumatoid arthritis". Lydyard P.M., Hanglow A., Hartley I., Young A. & Roitt I.M. *Lancet* (1982) i, 799.
176. "Defective rheumatoid lymphocyte function assessed by Epstein-Barr virus infection in vitro". Irving W., Walker P., Lydyard P.M. & Roitt I.M. *Lancet* (1982) ii, 1377.
177. "Direct staining of mouse T lymphoblasts with fluoresceinated Vicia Villosa lectin". Lang I., Banga J.P., Varey A-M., Gunn H., Cooke A. & Roitt I.M. *Immunology* (1982) 46, 769.
179. "Idiotypes and autoimmunity". Roitt I.M., Male D.K., Cooke A. & Lydyard P.M. In: *Springer Seminars in Immunopathology*, ed. Miescher P.A. (1983) 6, 51-66.
180. "Mechanisms of autoimmunity: a role for cross-reactive idiotypes". Cooke A., Lydyard P.M. & Roitt I.M. *Immunology Today* (1983) 4, 170-175.
181. "Cell-surface changes during mitogenic stimulation of lymphocytes assessed by the binding of wheat-germ agglutinin and other plant lectins". Tatham P.E.R., Delves P.J., Banga J.P. & Roitt I.M. *Biochemica et Biophysica Acta* (1983) 732, 509-518.
182. "Functional evaluation of murine allogeneic T lymphoblasts separated by Vicia villosa lectin positivity". Banga J.P., Hutchings P., Tatham P.E.R., Lang I., Gunn H., Cooke A. & Roitt I.M. *Cell. Immunol.* (1983) 78, 285-294.
183. "The occurrence of defined idiotypes on autoantibodies to mouse thyroglobulin". Male, D., Pryce, G., Quartey-Papafio, R. & Roitt, I.M. *Eur. J. Immunol.* (1983) 13, 942-947.

184. "Antiglobulins and circulating complexes in early RA". Hay F.C., Young A., Jones M.G., Nineham L.J., Male D.K. & Roitt I.M. Clin. exp. Immunol. (1983) 54, 723-730.
185. "Studies on the biochemistry of the peptides bearing the human leucocyte common epitope recognised by the monoclonal antibody MID 2". Banga J.P., Lydyard P.M., Pryce G., Harte A., Campbell M.A., Guarnotta G. & Roitt I.M. In: Lymphocyte Typing: Human Leucocyte Differentiation Antigens Detected by Monoclonal Antibodies. Eds. Bernard A., Boumsell L., Dausset J., Milstein C. & Schlossman S., Springer-Verlag (1984).
186. "Analysis of two monoclonal antibodies defining the majority and a subset of human T cells". Guarnotta G., Campbell M.A., Harte A., Overton G., Banga J.P., Beverley P.C.L., Lydyard P.M. & Roitt I.M. In: Lymphocyte Typing: Human Leucocyte Differentiation Antigens Detected by Monoclonal Antibodies. Eds. Bernard A., Boumsell L., Dausset J., Milstein C. & Schlossman S., Springer-Verlag (1984), pp.312-315.
187. "A common epitope identified by a monoclonal antibody MID 2, present on all leucocytes and associated with a group of high molecular weight glycopeptides". Banga J.P., Guarnotta G., Harte A., Pryce G., Campbell M.A., Quartey-Papafio R., Lydyard P.M. & Roitt I.M. Scand. J. Immunol. (1984) 19, 11-21.
188. "Association of HLA/DR2/Dw2 and DR4/Dw4 with radiological changes in a prospective study of patients with rheumatoid arthritis". Young A., Jarequemada D., Awad J., Festenstein H., Corbett M., Hay F.C. & Roitt I.M. Arthritis & Rheumatism (1984) 27, 20.
189. "The thyroid 'microsomal' antibody revisited. Its paradoxical binding in vivo to the apical surface of the follicular epithelium". Khoury, E.L., Bottazzo, G.F. & Roitt, I.M. J. Exp. Med. (1984) 159, 577-591
190. "Asialogalactothyroglobulin binds to the surface of human thyroid cells at a site distinct from the 'microsomal' autoantigen". Roitt, I.M., Pujol-Borrell, R., Hanafusa, T., Delves, P.J., Bottazzo, G.F. & Roitt, I.M. Clin. exp. Immunol. (1984) 56, 129-134.
191. "Characterization of the human thyroid microsomal antigen involved in thyroid autoimmunity". Banga, J.P., Pryce, G., Hammond, L. & Roitt, I.M. Biochem. Soc. Transactions (1984) 12, 1118-1119.
192. "Specificity of plasma cells in the rheumatoid synovium. I. Immunoglobulin class of antiglobulin-producing cells". Youinou P., Morrow J.W., Lettin A.W.F., Lydyard P.M. & Roitt I.M. Scand. J. Immunol. (1984) 20, 307-315.

(193)

"Idiotypic determinants on human thyroglobulin autoantibodies derived from the serum of Hashimoto patients and EB virus transformed cell lines". Delves P.J. & Roitt I.M. Clin. exp. Immunol. (1984) 57, 33-49.

(194)

"Autoimmunity and Idiotypes". Cooke, A., Lydyard, P.M. & Roitt, I.M. The Lancet (1984) ii, 723-725.

(195)

"Prevailing theories in autoimmune disorders". Roitt, I.M. Triangle (1984) 233/4, 67-76.

(196)

"New Trends in Vaccines: Idiotypic Vaccines". Hay, F.C., Thanavala, Y. & Roitt, I.M. In: Immune Intervention, Academic Press (1985), vol.1.

(197)

"Molecular analysis of induced idiotypes associated with autoanti-thyroglobulins". Male, D.K., Pryce, G. & Roitt, I.M. Mol. Immunol. (1985) 22, 255-263.

(198)

"Monoclonal 'internal image' anti-idiotypic antibodies of hepatitis B surface antigen". Thanavala, Y.M., Bond, A., Tedder, R., Hay F.C. & Roitt, I.M. Immunology (1985) 55, 197-204.

(199)

"Anti-idiotypes as surrogate antigens: structural considerations". Roitt, I.M., Thanavala, Y.M., Male, D.K. & Hay, F.C. Immunology Today (1985) 6, 265-7.

"Prevailing Theories in Autoimmune Disorders". Roitt, I.M. In "Ciclosporin in immune diseases" Ed. R. Schindler, (1985) pp 5-15. Springer Verlag. Berlin.

(200)

"Structural features of the autoantigens involved in thyroid autoimmune disease: the thyroid microsomal microvillar antigen". Banga, J.P., Pryce, G., Hammond, A. & Roitt, I.M. Mol. Immunol. (1985) 22, 629-642.

(201)

"Autoreactive T-cell lines specific for mouse thyroglobulin". Champion, B.R., Varey, A-M., Katz, D., Cooke, A. & Roitt, I.M. Immunology (1985) 54, 513-519.

(202)

"Immunofluorescent techniques for the detection of monoclonal internal image anti-idiotypic antibodies of hepatitis B surface antigen". Thanavala, Y.M., Tedder, R., Hay, F.C. & Roitt, I.M. J. Imm. Methods (1985) 83, 227-232

1986

(203)

"Characterisation of monoclonal antibodies directed towards the microsomal/microvillar thyroid autoantigen recognised by Hashimoto autoantibodies". Banga, J.P., Mirakian, R., Hammond, L., Pryce, G., Bidey, S., Bottazzo, G.F., Weetman, A.P., McGregor, A.M. & Roitt, I.M. Clin. exp. Immunol. (1986) 64, 544-554.

(204)

"Monoclonal anti-idiotypic antibodies as surrogates for hepatitis B surface antigen". Thanavala, Y.M. & Roitt, I.M. Int. Rev. Immunol., (1986) 1, 27-39.

(205)

"Repair of chemical carcinogen-induced damage in DNA of human lymphocytes and lymphoid cell lines - studies of the kinetics of removal of O<sup>6</sup>-methylguanine and 3-methyladenine". Lawley, P.D., Harris, G., Phillips, E., Irving, W., Colaco, C.B., Lydyard, P.M. & Roitt, I.M. Chem. Biol. Interactions (1986) 57, 107-121.

(206)

"A surrogate hepatitis B virus antigenic epitope represented by a synthetic peptide and an internal image anti-idiotypic antibody". Thanavala, Y.M., Brown, S.E., Howard, C.R., Roitt, I.M. & Steward, M.W. J. Exp. Med. (1986) 164, 227-236.

(207)

"Helper and suppressor activities of an auto-reactive mouse thyroglobulin-specific T-cell clone". Champion, B., Hutchings, P.R., Davies, S., Marshall-Clarke, S., Cooke, A. & Roitt, I.M. Immunology (1986) 58, 51-56.

(208)

"HLA and rheumatoid arthritis: a combined analysis of 440 British patients". Jaraquemada, D., Ollier, W., Awad, J., Young, A., Silman, A., Roitt, I.M., Corbett, M., Hay, F., Cosh, J.A., Maini, R.A., Venables, P.J., Ansell, B., Holborow, J., Reeback, J., Currey, H.L.F. & Festenstein, H. Annals of the Rheumatic Diseases (1986) 45, 627-636.

(209)

"Idiotypes and Autoimmunity". Roitt, I.M. & Cooke, A. In: Progress in Immunology VI (1986), ed. B.Cinader & R.G. Miller, pp.512-535, Academic Press, Inc.

(210)

"HLA Frequency and Haplotype Analysis in a Family Study of adult onset Rheumatoid Arthritis". Colaco, C.B., Awad, J., Festenstein, H., Fielder, A., Batchelor, J.R., Alonso, A., McCloskey, D., Shipley, M., Corbett, M. & Roitt, I.M. Disease Markers (Proceedings) (1986) Vol.4, 99-102.

(211)

"T and B cell connections in experimentally induced autoimmunity". Male, D., Pryce, G., Cooke, A., Hutchings, P., Marshall-Clarke, S. & Roitt, I.M. Ann NY Acad Sci (1986)475, 94-104.

(212)

"Thyroglobulin epitopes and anti-thyroglobulin idiotypes in autoimmune thyroiditis". Male, D.K., Pryce, G., Champion, B. & Roitt, I.M. In: The Thyroid and Autoimmunity (1986), ed. H. Drexhage & W.M. Wiemsinga, pp.311-318, Excerpta Medica.

1987

(213)

"T-cell hybridomas specific for self and foreign thyroglobulins". Rayner, D.C., Delves, P.J., Warren, D., Roitt, I.M. & Champion, B.R. Immunology (1987), 60, 231-237.

(214)

"High efficiency antigen presentation by thyroglobulin-primed murine splenic B cells". Hutchings, P.R., Rayner, D.C., Champion, B.R., Marshall-Clarke, S., Macatonia, S., Roitt, I.M. & Cooke, A. Eur. J. Immunol. (1987) 17, 393-398.

(215)

"The role of autoantigen in autoimmunity". Roitt, I.M. & Cooke, A. Immunology Letters (1987) 16, 259-264.

(216)

"Reduced B-cell galactosyltransferase activity in rheumatoid arthritis". Axford, J.S., Mackenzie, L., Lydyard, P.M., Hay, F.C., Isenberg, D. and Roitt, I.M. Lancet (1987) ii, 1486-1488.

(217)

"A minority of patients with Rheumatoid Arthritis show a dominant rearrangement of T-cell receptor beta-chain genes in synovial lymphocytes". Savill, C.M., Delves, P.J., Kioussis, D., Walker, P., Lydyard, P.M., Colaco, B., Shipley, M. & Roitt, I.M. Scand. J. Immunol. (1987) 25, 629-635.

(218)

"Critical role of iodination for T-cell recognition of thyroglobulin in experimental murine thyroid autoimmunity". Champion, B.R., Rayner, D.C., Byfield, P., Page, K., Chan, Jo. & Roitt, I.M. J. Immunol. (1987) 139, 3665.

(219)

"The nature of autoantigens". Roitt, I.M. & Cooke, A. Mem. Inst. Oswaldo Cruz, Rio de Janeiro (Int. Symp. on Immunomodulators) (1987) 82(II), 105-109.

1988

(220)

"Recognition of several idiotopes on a monoclonal anti-HBs using monoclonal anti-idiotypic antibodies". Thanavala, Y.M., Moore, M.J., Tedder, R., Hay, F.C. & Roitt, I.M. *Immunology* (1988) 63, 575-577.

(221)

"An investigation of induced suppression to experimental autoimmune thyroiditis". Parish, N.M., Rayner, D., Cooke, A. & Roitt, I.M. *Immunology* (1988) 63, 199-203.

(222)

"Age-related galactosylation of the N-linked oligosaccharides of human serum IgG". Parekh, R.B., Isenberg, D.A., Roitt, I.M., Dwek, R.A. & Rademacher, T.W. *J.Exp.Med.* (1988) 167, 1731-1736.

(223)

"Galactosylation of IgG-associated oligosaccharides is reduced in patients with adult and juvenile onset rheumatoid arthritis and is related to disease activity". Parekh, R.B., Isenberg, D.A., Ansell, B.M., Roitt, I.M., Dwek, R.A. & Rademacher, T.W. *Lancet* (1988) i, 966-69.

(224)

"Deficient repair of 06-methylguanine in lymphocytes from rheumatoid arthritis families may be an acquired defect". Colaco, B.C., Harris, G., Lawley, P.D., Lydyard, P.M. & Roitt, I.M. *Clin.exp.Immunol.* (1988) 72, 15-19.

(225)

"Epitope specificity of spontaneous and induced thyroglobulin autoantibodies in the rat". de Assis Paiva, H.J., Champion, B., Rayner, D.C., Colle, E., Bone, A., Roitt, I.M. & Cooke, A. *Clin.exp.Immunol.* (1988) 74, 63-67.

(226)

"Phenotypic characteristics of cells involved in induced suppression to experimental autoimmune thyroiditis". Parish, N.M., Roitt, I.M. & Cooke, A. *Eur.J.Immunol.* (1988) 18, 1463-67.

(227)

"Idiotypic Interactions in Autoimmunity: an Editorial Overview". Roitt, I.M. & Cooke, A. *J. Autoimmunity.* (1988) 1, 3-6.

(228)

"Long term spectrotypic and idiotypic stability of thyroglobulin autoantibodies in patients with Hashimoto's thyroiditis". Delves, P. & Roitt, I.M. *Clin.exp.Immunol.* (1988) 71, 459-463.

(229)

"The Role of IgG Glycoforms in the Pathogenesis of Rheumatoid Arthritis". Rademacher, T.W., Parekh, R.B., Dwek, R.A., Isenberg, D., Rook, G., Axford, J. & Roitt, I.M. *Springer Semin Immunopathol.* (1988) 10, 231-249.

(230)

"Changes in carbohydrate structure in IgG in rheumatoid arthritis". Roitt, I.M., Dwek, R.A., Parekh, R.B., Rademacher, T.W., Alavi, A., Axford, J., Bodman, K., Bond, A., Cooke, A., Hay, F.C., Isenberg, D., Lydyard, P.M., Mackenzie, L., Rook, G., Smith, M. & Sumar, N. *Recenti Progressi in Medicina.* (1988) Jul-Aug 79 (7-8) 314-317.

(231)

"The Role of Antigen in autoimmune responses with special reference to changes in carbohydrate structure of IgG in rheumatoid arthritis". Roitt, I.M., Dwek, R.A., Parekh, R.B., Rademacher, T.W., Alavi, A., Axford, J.S., Bodman K.B., Bond, A., Cooke, A., Hary, F.C., Isenberg, D.A., Lydyard, P.M., Mackenzie, L., Rook, G., Smith, M. & Sumar, N. J. of Autoimmunity. (1988) 1, 499-506.

1989

(232)

"Cellular infiltration in induced rat thyroiditis: phenotypic analysis and relationship to genetic restriction". de Assis-Paiva, H.J., Rayner, D.C., Roitt, I.M. & Cooke, A. Clin. exp.Immunol. (1989) 75, 106-112.

(233)

"Basic concepts and new aspects of vaccine development". Roitt, I.M. Parasitology (1989) 98, S7-S12.

(234)

"A comparative analysis of disease-associated changes in the galactosylation of serum IgG". Parekh, R., Isenberg, D., Rook, G., Roitt, I.M., Dwek, R. & Rademacher, T. J.Autoimmunity (1989) 2, 101-114.

(235)

"The significance of changes in IgG carbohydrate in RA and Tuberculosis". Roitt, I.M., Dwek, R.A., Parekh, R.B., Rademacher, T.W., Warren, C., Alavi, A., Axford, J.S., Bodman, K., Bond, A., Colaco, B., Cooke, A., Delves, P., Hay, F.C., Isenberg, D.A., Lydyard, P.M., Mackenzie, L., Rook, G., Smith, M., Sumar, N. & Tsoulfa, G. Proc.International Conference on Molecular Aspects of Immune Response and Infectious Diseases. Advances in Host Defence Mechanism. (1989) Vol.7. 77- 82.

1990

(236)

"Analysis of glycosylation changes in IgG using lectins". Sumar, N., Bodman, K., Rademacher, T.W., Dwek, R.A., Parekh, R.B., Isenberg, D.A., Rook, G.A.W., Hay, F.C. & Roitt, I.M. J.Imm. Methods (1990) 131, 127-136.

(237)

"IgG and rheumatoid factor at a glance". Roitt, I.M. & Sumar, N. Clin.Exp.Rheumatol. (1990) 8 (5), 89-91.

1991

(238)

"Reduction in IgG galactose in juvenile and adult onset rheumatoid arthritis by a lectin binding method and its relationship to rheumatoid factor". Isenberg, D., Bodman, K., Soltys, A., Young, A., Leak, A., Round, J., Hay, F. & Roitt, I.M. Annals Rheum.Dis. (1991) 50, 607-610.

(239)

"Identification of a thyroxine-containing self-epitope of thyroglobulin which triggers thyroid autoreactive T cells". Champion, B.R., Page, K.R., Parish, N., Rayner, D.C., Dawe, K., Biswas-Hughes, G., Cooke, A., Geysen, M. & Roitt, I.M. J.Exp.Med.(1991) 174, 363-370.

(240)

"Changes in IgG glycoform levels are associated with remission of arthritis during pregnancy". Rook, G.A.W., Steele, J., Brealey, R., Whyte, A., Isenberg, D., Sumar, N., Nelson, J.L., Bodman, K.B., Young, A., Roitt, I.M., Williams, P., Scragg, I., Edge, C.J., Arkwright, P.D., Ashford, D., Wormald, M., Rudd, P., Redman, C.W.G., Dwek, R.A. & Rademacher, T.W. J. Autoimmunity (1991) 4, 779-794.

(241)

"Abnormalities in the glycosylation of IgG in spouses of patients with rheumatoid arthritis. A family study". Sumar, N., Colaco, C.B., Bodman, K.B., Parekh, R., Williams, P., Dwek, R., Rademacher, T., Isenberg, D.A., Soltys, A., Hay, F.C. & Roitt, I.M. J. Autoimmunity (1991), 4, 907-914.

(242)

"*In vitro* regulation of thyroglobulin (Tg) autoantibody production by Tg-specific T-cell lines and hybridomas". Champion, B.R., Hutchings, P., Rayner, D.C., Page, K., Tite, J., Cooke, A. & Roitt, I.M. J. Immunology (1991) 73, 415-420.

(243)

"Agalactosyl IgG - an aid to differential diagnosis in early synovitis". Young, A., Sumar, N., Bodman, K., Goyal, S., Sinclair, H., Roitt, I. & Isenberg, D. Arthritis Rheum. (1991) 34, 1425-1429.

**Patent:** "Process for modifying proteins". Inventors: Delves, P.J., Lund, T. & Roitt, I.M. Applicant: University College, filed by BTG No. 9114734.8, July 1991.

## 1992

(244)

"The forces driving autoimmune disease". Roitt, I.M., Hutchings, P.R., Dawe, K.I., Sumar, N., Bodman, K.B. & Cooke, A. J. Autoimmunity (1992) 5(suppl.A), 11-26.

(245)

"Lymphocytes from rheumatoid arthritis patients produce agalactosylated IgG *in vitro*". Bodman, K.B., Sumar, N., Mackenzie, L.E., Isenberg, D.A., Hay, F.C., Roitt, I.M. & Lydyard, P.M. Clin. exp. Immunol. (1992) 88, 420-423.

(246)

"A thyroxine containing peptide can induce murine experimental autoimmune thyroiditis". Hutchings, P.R., Cooke, A., Dawe, K., Champion, B.R., Geysen, M., Valerio, R. & Roitt, I.M. J. Exp. Med. (1992) 175, 869.

(247)

"Changes in normal glycosylation mechanisms in autoimmune rheumatic diseases" Axford, J.S., Sumar, N., Alavi, A., Isenberg, D.A., Young, A., Bodman K.B., & Roitt, I.M. J. Clin. Investigation (1992) 89(3), 1021-1031.

## 1993

(248)

"Active suppression induced by anti-CD4". Hutchings, P.R., Cooke, A., Dawe, K., Waldmann, H. & Roitt, I.M. Eur. J. Immunol. (1993) 23, 965-968.

(249)

"Autoantigens in thyroid diseases". Dawe, K., Hutchings, P., Champion, B., Cooke, A. & Roitt I.M. Springer Seminars in Immunol. (1993) 14, 285-307.

(250)

"OKT3: Immunology, production, purification, and pharmacokinetics". Roitt, I.M. Clin. Transplantation. (1993) 7, 367-373.

(251)

"T cell epitopes of the major fraction of rye grass *Lolium perenne* (*Lol p I*) defined using overlapping peptides *in vitro* and *in vivo*. I. Isoallergen clone 1A". Bungy Poor Fard, G.A., Latchman, Y., Rodda, S., Geysen, M., Roitt, I. & Brostoff, J. Clin. Exp. Immunol. (1993) 94, 111-116.

### **Books:**

Essential Immunology (7th edition) 1991. I.M. Roitt. Blackwell Scientific Publications, Oxford.

Immunology (2nd edition) 1991. Roitt, Brostoff & Male. Gower Medical Publishing, London.

Clinical Immunology (1st edition) 1991. Brostoff, Scadding, Male & Roitt. Gower Medical Publishing, London.

Current Opinion in Immunology (Series). Allt, Marrack & Roitt, Current Biology, London.

Slide Atlas of Essential Immunology, 7th edition. (1992). I.M. Roitt. Blackwell Scientific Publications, Oxford.

Encyclopedia of Immunology (1992). Ivan M. Roitt & Peter J. Delves. Academic Press.